

Глава 1. ОБЩИЕ СВЕДЕНИЯ ОБ АВТОМОБИЛЕ

1.1. ОПИСАНИЕ КОНСТРУКЦИИ

В данной книге рассмотрены особенности устройства, эксплуатации, диагностики неисправностей, технического обслуживания и ремонта автомобилей Opel Astra и Zafira, оснащенных бензиновыми двигателями объемом 1,4, 1,6 и 1,8 литра.

Основное внимание уделено регулярному техническому обслуживанию, выявлению и устранению возможных неисправностей и уходу за различными агрегатами автомобиля.

Автомобиль Opel Astra второго поколения (Astra G) впервые появился в продаже в 1998 году. Он стал новым представителем компании Opel в наиболее динамичном и перспективном сегменте С рынка легковых автомобилей (по европейской классификации). Автомобиль предлагался с четырьмя типами кузовов: трех- и пятидверный хэтчбек, седан и универсал (Opel Astra Caravan). Позже была представлена Astra с кузовом купе и кабриолет, но они имели весьма существенные отличия от базовой модели.

Автомобили имеют переднеприводную компоновку с поперечно расположенным двигателем, независимую подвеску переднюю и полунезависимую подвеску задних колес, рулевой механизм типа «шестерня-рейка», тормозную систему с диагональным распределением контуров и АБС (на части автомобилей). Конструктивно автомобиль выполнен достаточно традиционно для этого класса, поэтому ждать от него каких-либо изысков в части поведения и эксплуатации не приходится, все в меру комфортно, удобно и динамично. Единственное необычное решение — это применение электроусилителя для создания давления в системе гидроусилителя рулевого управления. Это позволяет не отбирать мощность двигателя без необходимости, например при движении по прямой, а также сократить количество трубопроводов, установив электроусилитель с бачком непосредственно на рулевой рейке. При этом следует заметить, что расположение бачка гидроусилителя на рулевой рейке осложняет контроль и в случае необходимости корректировку уровня жидкости в системе.

Большое количество вариантов кузовов, двигателей и дополнительного оснащения предоставляет покупателю широкие возможности для выбора в соответствии с его потребностями и финансовыми возмож-

ностями. Однако подобное многообразие в совокупности с восточной модернизацией фирмой Opel выпускаемых автомобилей вызывает определенные сложности в ремонте и покупке запасных частей. К сожалению, Astra не входит в число самых надежных автомобилей, особенно с увеличением пробега, но с учетом ее более низкой стоимости, чем у конкурентов, высокой ремонтопригодности и доступности большинства запасных частей ее можно назвать весьма разумным выбором.

В 1999 году на платформе Astra G был создан однообъемный Opel Zafira первого поколения (Zafira A). Наличие общей платформы обеспечило идентичность кодовой и агрегатной частей этих автомобилей. Zafira создавалась, в первую очередь, как семейный автомобиль, и в этом качестве у нее не так уж и много конкурентов. При скромных внешних габаритах она может вместить до семи пассажиров. Сиденье третьего ряда складно складным. Однако стоит заметить, что при разложенных обоих сиденьях третьего ряда места для багажа практически не остается. Все вышесказанное по поводу преимуществ и недостатков модели Astra можно смело отнести и к модели Zafira с учетом того, что выбор в классе подобных автомобилей гораздо более ограничен.

Кроме того, рассматриваемые автомобили выпускались и под другими марками и названиями для рынков отдельных стран, некоторые из которых можно встретить и в России. Традиционно большинство автомобилей Opel с правым расположением органов управления носит марку Vauxhall и производится в Англии, названия моделей соответствуют аналогичным моделям марки Opel. При этом за исключением расположения органов управления и связанных с этим незначительных изменений автомобили полностью идентичны рассматриваемым. Для рынка Японии выпускался автомобиль Subaru Traviq. Этот автомобиль полностью аналогичен модели Vauxhall Zafira, но оснащался только самым мощным мотором объемом 2,2 литра. Некоторое время назад СП «GM АвтоВАЗ» выпускало для России автомобили Chevrolet Viva, представляющие собой не что иное, как Opel Astra с кузовом седан, оснащенные двигателем 1,8 литра.

1.2. ГАБАРИТНЫЕ РАЗМЕРЫ АВТОМОБИЛЯ

Таблица 1.1

Параметры	Astra			Zafira
	Хэтчбек (3- и 5-дверный)	Седан	Универсал	
Длина	4 110	4 250	4 250	4 315
Ширина	1 710			1 740
Высота	1 420		1 310	1 630
Колесная база	2 610			2 695
Колес передних колес	1 485			
Колес задних колес	1 460			

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Vauxhall/Opel Astra and Zafira Owner's Workshop Manual ,2015-08 Vauxhall/Opel Astra Diesel (04-07) John S. Mead, 2008 Hatchback Sport Hatch Estate with turbo diesel engines inc special limited editions Does NOT cover TwinTop models or Easytronic transmission Diesel 1 3 litre 1248cc 1 7 litre 1686cc 1 9 litre 1910cc

Opel Astra Steve Rendle, 1996 British Books in Print ,1985 Opel Astra and Zafira (Swedish) Service and Repair Manual Haynes, 2014-11-27 This is one in a series of manuals for car or motorcycle owners Each book provides information on routine maintenance and servicing with tasks described and photographed in a step by step sequence so that even a novice can do the work

Vauxhall Opel/Astra John S. Mead, 2013 This title covers Vauxhall Opel Astra hatchback and estate models 1 4 and 1 6 litre petrol engines and 1 3 1 7 and 2 0 litre diesel engines

The British National Bibliography Arthur James Wells, 1968 *British Paperbacks in Print* ,1985 Opel Astra Steve Rendle, 1996

Vauxhall/Opel Astra and Zafira Petrol Service and Repair Manual ,2014-07 Covering all aspects of maintenance repair and routine servicing tasks this guide to the Vauxhall Opel Astra and Zafira features technical information and specifications for petrol cars built between 1998 and 2004

Vauxhall/Opel Astra Service and Repair Manual Haynes Publishing, John S. Mead, 2015

The Mirror Margaret Safo (Mrs.), 2006-12-16 **Whitaker's Book List** ,1991 **Whitaker's Cumulative Book List** ,1986

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Table of Contents Opel Astra 2006 Workshop Manual

1. Understanding the eBook Opel Astra 2006 Workshop Manual
 - The Rise of Digital Reading Opel Astra 2006 Workshop Manual
 - Advantages of eBooks Over Traditional Books
2. Identifying Opel Astra 2006 Workshop Manual
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Opel Astra 2006 Workshop Manual
 - User-Friendly Interface
4. Exploring eBook Recommendations from Opel Astra 2006 Workshop Manual
 - Personalized Recommendations
 - Opel Astra 2006 Workshop Manual User Reviews and Ratings
 - Opel Astra 2006 Workshop Manual and Bestseller Lists
5. Accessing Opel Astra 2006 Workshop Manual Free and Paid eBooks

- Opel Astra 2006 Workshop Manual Public Domain eBooks
- Opel Astra 2006 Workshop Manual eBook Subscription Services
- Opel Astra 2006 Workshop Manual Budget-Friendly Options
- 6. Navigating Opel Astra 2006 Workshop Manual eBook Formats
 - ePub, PDF, MOBI, and More
 - Opel Astra 2006 Workshop Manual Compatibility with Devices
 - Opel Astra 2006 Workshop Manual Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Opel Astra 2006 Workshop Manual
 - Highlighting and Note-Taking Opel Astra 2006 Workshop Manual
 - Interactive Elements Opel Astra 2006 Workshop Manual
- 8. Staying Engaged with Opel Astra 2006 Workshop Manual
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Opel Astra 2006 Workshop Manual
- 9. Balancing eBooks and Physical Books Opel Astra 2006 Workshop Manual
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Opel Astra 2006 Workshop Manual
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Opel Astra 2006 Workshop Manual
 - Setting Reading Goals Opel Astra 2006 Workshop Manual
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Opel Astra 2006 Workshop Manual
 - Fact-Checking eBook Content of Opel Astra 2006 Workshop Manual
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development

- Exploring Educational eBooks

14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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