

## 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, установленных 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 складным 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	
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# Opel Astra 2006 Workshop Manual

**Christian G. Meyer**



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