

## 1•2 Servicing specifications

### Lubricants and fluids

Refer to Weekly checks on page 0•16

### Capacities

#### Engine oil

Including oil filter:

1.4 litre engine	3.25 litres
1.6 litre:	
SOHC with air conditioning	3.5 litres
All other engines	3.25 litres
1.8 and 2.0 litre engines	4.25 litres
Difference between MIN and MAX on dipstick	1.0 litre

#### Cooling system

Astra models:

	Without air conditioning	With air conditioning
1.4 litre engine	6.3 litres	6.0 litres
1.6 litre SOHC engine	5.9 litres	5.2 litres
1.6 litre DOHC engine	6.3 litres	5.6 litres
1.8 litre engine	6.5 litres	6.0 litres
2.0 litre engine	7.0 litres	7.2 litres

Zafira models:

1.6 litre engine	6.3 litres	6.6 litres
1.8 litre engine	6.5 litres	6.8 litres

#### Transmission

Manual transmission:

All except 2.0 litre engine	1.6 litres
2.0 litre engine	1.8 litres
Automatic transmission (at fluid change)	4.0 litres

#### Washer fluid reservoir

Without headlight washers	2.3 litres
With headlight washers	4.5 litres

#### Fuel tank

Astra models	52 litres
Zafira models	58 litres

### Cooling system

Antifreeze mixture:

50% antifreeze	Protection down to -37°C
55% antifreeze	Protection down to -45°C

Note: Refer to antifreeze manufacturer for latest recommendations.

### Ignition system

Spark plugs:

All engines	Type Bosch FUR 5 LD-U	Electrode gap 1.0 mm
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### Brakes

Friction material minimum thickness:

Front and rear brake pads	2.0 mm
Rear brake shoes	1.0 mm

### Torque wrench settings

	Nm	lbf ft
Engine oil filter (spin-on canister type)	15	11
Engine oil filter housing cap (element type)	15	11
Engine oil filter housing-to-block bolt (element type)	45	33
Ignition module retaining screws	6	6
Spindle wheel bolts	110	81
Spark plugs	25	18
Sump drain plug:		
SOHC engines:		
Models without air conditioning (pressed-steel sump)	50	41
Models with air conditioning (alloy sump)	45	33
DOHC engines:		
1.4, 1.6 and 1.8 engines:		
Inner Torx type (rubber seal ring)	14	10
Hexagon type (metal seal ring)	45	33
2.0 litre engine	10	7

# Opel Astra 2003 Repair Manual

**N Colangelo**



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## **Table of Contents Opel Astra 2003 Repair Manual**

1. Understanding the eBook Opel Astra 2003 Repair Manual
  - The Rise of Digital Reading Opel Astra 2003 Repair Manual
  - Advantages of eBooks Over Traditional Books
2. Identifying Opel Astra 2003 Repair 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 2003 Repair Manual
  - User-Friendly Interface
4. Exploring eBook Recommendations from Opel Astra 2003 Repair Manual
  - Personalized Recommendations
  - Opel Astra 2003 Repair Manual User Reviews and Ratings
  - Opel Astra 2003 Repair Manual and Bestseller Lists
5. Accessing Opel Astra 2003 Repair Manual Free and Paid eBooks
  - Opel Astra 2003 Repair Manual Public Domain eBooks
  - Opel Astra 2003 Repair Manual eBook Subscription Services
  - Opel Astra 2003 Repair Manual Budget-Friendly Options

- 
6. Navigating Opel Astra 2003 Repair Manual eBook Formats
    - ePub, PDF, MOBI, and More
    - Opel Astra 2003 Repair Manual Compatibility with Devices
    - Opel Astra 2003 Repair Manual Enhanced eBook Features
  7. Enhancing Your Reading Experience
    - Adjustable Fonts and Text Sizes of Opel Astra 2003 Repair Manual
    - Highlighting and Note-Taking Opel Astra 2003 Repair Manual
    - Interactive Elements Opel Astra 2003 Repair Manual
  8. Staying Engaged with Opel Astra 2003 Repair Manual
    - Joining Online Reading Communities
    - Participating in Virtual Book Clubs
    - Following Authors and Publishers Opel Astra 2003 Repair Manual
  9. Balancing eBooks and Physical Books Opel Astra 2003 Repair Manual
    - Benefits of a Digital Library
    - Creating a Diverse Reading Collection Opel Astra 2003 Repair Manual
  10. Overcoming Reading Challenges
    - Dealing with Digital Eye Strain
    - Minimizing Distractions
    - Managing Screen Time
  11. Cultivating a Reading Routine Opel Astra 2003 Repair Manual
    - Setting Reading Goals Opel Astra 2003 Repair Manual
    - Carving Out Dedicated Reading Time
  12. Sourcing Reliable Information of Opel Astra 2003 Repair Manual
    - Fact-Checking eBook Content of Opel Astra 2003 Repair Manual
    - Distinguishing Credible Sources
  13. Promoting Lifelong Learning
    - Utilizing eBooks for Skill Development
    - Exploring Educational eBooks
  14. Embracing eBook Trends
    - Integration of Multimedia Elements

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