

Opel Astra G 1.6 (1598ccm) 2000-2005

Service Repair Manual

| | |
|------------------------------------|--|
| Year | 2000-2005 |
| Engine code | Z16SE |
| Engine size | 1598ccm |
| Power | 62kw |
| Idle speed | 710-930rpm |
| Compression | 13.0-15.0bar |
| Fuel system | Multec S |
| Firing order | 1-3-4-2 |
| Spark plug | Bosch FRL8LDCU |
| Electrode gap | 0.9-1.1mm |
| CO | 0.5% |
| CO2 | 14.5-16% |
| HC | 100ppm |
| O2 | 0.1-0.5% |
| CO content at increased idle speed | 0.3% |
| Increased idle speed for CO test | 2800-3200rpm |
| Lambda | 0.97-1.03 |
| Thermostat opens | 92°C |
| Battery | 44Ah |
| Alternator | 70A |
| Cylinder head tightening torque 1 | 25Nm |
| Cylinder head tightening torque 2 | 85° |
| Cylinder head tightening torque 3 | 85° |
| Cylinder head tightening torque 4 | 20° |
| Spark plug Tightening torque | 25Nm |
| Engine oil with filter | 3.5l |
| Cooling system | 5.9/6.2l |
| Gearbox oil | 1.6l |
| Automatic transmission fluid | 4.0l |
| Engine oil grade | ACEA A3-98 SAE 0W-30 ACEA A3-98 SAE 0W-40 ACEA A3-98 SAE 0W-50 |
| Gearbox oil grade | Opel Nr. 1940768 |
| Automatic transmission fluid type | Opel Nr. 1940767 |
| Brake fluid | DOT4 |
| Timing belt | 120000km |

Opel Astra G Technical Manual

R Sanford



Opel Astra G Technical Manual:

VW Polo Petrol & Diesel Service & Repair Manual R. M. Jex, 2007 Hatchback including special limited editions Does NOT cover features specific to Dune models or facelifted Polo range introduced June 2005 Petrol 1 2 litre 1198cc 3 cyl 1 4 litre 1390cc non FSI 4 cyl Does NOT cover 1 4 litre FSI engines Diesel 1 4 litre 1422cc 3 cyl 1 9 litre 1896cc 4 cyl inc PD TDI turbo **Moody's International Manual** ,1996 **Ukraine Investment and Business Guide Volume 1 Strategic and**

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Introducción a la inyección electrónica en motores Diesel **2016 Passenger Car and 2015 Concept Car Yearbook** Automotive Engineering International, 2015-12-15 Carmakers release new models every year with advanced technology to attract consumer interest and to satisfy increasingly stringent government regulations Some of these technologies are firsts or leading edge and they start trends that more companies will soon follow Snapshots of the direction of the automotive industry along with OEM and supplier perspectives are presented in these articles that have been collected by the Editors of Automotive Engineering whose aim is to provide the reader with a complete overview of the key advances that took place over the course of one model year Provides a single source for information on the key engineering trends of one year Allows

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