

## 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 Service Manual

**A Gutmann**



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