

C - SPECIFICATIONS

1995 Volvo 850

1995 ENGINE PERFORMANCE
Volvo - Service & Adjustment Specifications

850

INTRODUCTION

Use this article to quickly find specifications related to servicing and on-vehicle adjustments. This is a quick-reference article to use when you are familiar with an adjustment procedure and only need a specification.

CAPACITIES

BATTERY SPECIFICATIONS

Application	Cold Cranking Amp. Rating
850	440 Or 520

FLUID CAPACITIES

Application	Qts. (L)
Crankcase (Includes Filter)	5.6 (5.3)
Cooling System (Includes Heater)	7.6 (7.2)
M/T (M56L) Volvo Synthetic Gearbox Oil (97308)	2.2 (2.1)
A/T (AW 50) (1)	8.0 (7.6)

(1) - Use ATF Dexron IIE or Mercon fluid.

QUICK-SERVICE

SERVICE INTERVALS & SPECIFICATIONS

REPLACEMENT INTERVALS

Component	Miles
Air Filter	30,000
Timing Belt	70,000
Coolant	(1)
EGR	
Inspect	60,000
Clean (2)	100,000
Fuel Filter	60,000
Oil & Filter	
Normal Service	10,000
Severe Service	5000
PCV (Inspect & Clean)	60,000
Spark Plugs	30,000

(1) - Coolant replacement interval is no longer recommended by manufacturer.

(2) - After 100,000 mile EGR service, clean every 20,000 miles.

BELT ADJUSTMENT

Application	Specification
850	(1)

(1) - No adjustment is necessary, vehicle is equipped with a self-tensioner.

MECHANICAL CHECKS

ENGINE COMPRESSION

COMPRESSION SPECIFICATIONS

Application	Specification
Compression Ratio	10.5:1

VALVE CLEARANCE

NOTE: Equipped with hydraulic lifters.

IGNITION SYSTEM

IGNITION COIL

IGNITION COIL RESISTANCE - Ohms @ 68°F (20°C)

Application	Primary	Secondary
Non-Turbo5	8400

SPARK PLUGS

SPARK PLUG TYPE

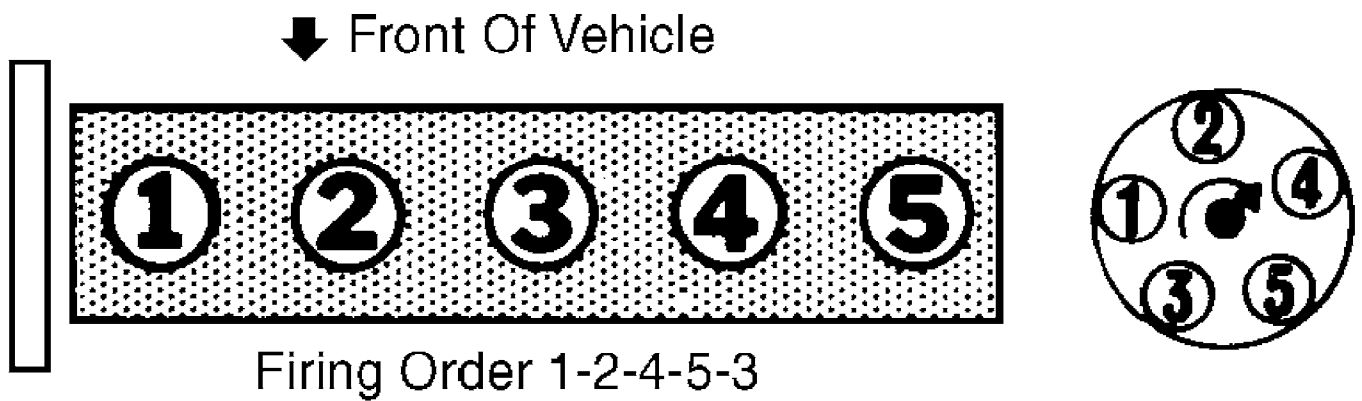
Application	Bosch	Champion
Non-Turbo	FR6DC	RC9YC

SPARK PLUG SPECIFICATIONS

Application	Gap In. (mm)	Torque Ft. Lbs. (N.m)
850028-.032 (.70-.80)	18 (25)

FIRING ORDER

Refer to illustration for firing order and distributor rotation. See Fig. 1.



93A78089

Fig. 1: Firing Order & Distributor Rotation

IGNITION TIMING

IGNITION TIMING (Degrees BTDC @ RPM)

Application	(1) Timing
Non-Turbo	8-12 @ 750-850

(1) - Ignition timing computer-controlled. Not adjustable.

FUEL SYSTEM

FUEL PUMP

FUEL PUMP PERFORMANCE (1)

Application	Pressure psi (kg/cm ²)	Volume In 30 Sec. Pts. (L)
850	43.5 (3.06)	1.1 (.52)

(1) - At 12 volts, 68°F (20°C), with engine off and fuel pump relay by-passed.

IDLE SPEED & MIXTURE

IDLE SPEED & CO LEVEL (1)

Application	Idle RPM	(2) CO Level
850	(3) 850	(3) .2-.8%

(1) - Idle speed/CO level can only be checked, not adjusted.
 (2) - Measured upstream of catalytic converter with oxygen sensor connected.
 (3) - With cooling fan off.

FAST IDLE

NOTE: All idle speeds are controlled by electronic control unit.

Specifications on fast idle not at time of publication.

THROTTLE SWITCH

See the D - ADJUSTMENTS article for switch adjustments.