C - SPECIFICATIONS - TURBO

1995 Volvo 850

1995 ENGINE PERFORMANCE Volvo - Service & Adjustment Specifications 850 - Turbo

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 TABLE

Application	Cold Cranking Amp. Rating
850	440 Or 520
FLUID CAPACITIES TABLE	
Application	Qts. (L)
Crankcase (Includes Filter) (1) Cooling System (Includes Heater) M/T (M56L) Volvo Synthetic Gearbo A/T (AW 50) (2)	
(1) - Add .95 qt. (.9L) if oil co (2) - Use ATF Dexron IIE or Merco	

QUICK-SERVICE

SERVICE INTERVALS & SPECIFICATIONS

REPLACEMENT INTERVALS TABLE

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

- (1) Coolant replacement interval is no longer recommended by manufacturer.
- (2) After 100,000 mile EGR service, clean every 20,000

BELT ADJUSTMENT TABLE	
Application	Deflection - In. (mm)
Accessory Drive Belt	
(1) - No adjustment is necessary, vehi a self-tensioner.	cle is equipped with

MECHANICAL CHECKS

ENGINE COMPRESSION

COMPRESSION SPECIFICATIONS TABLE

Specification Application Compression Ratio 8.5:1

VALVE CLEARANCE

Equipped with hydraulic lifters. NOTE:

IGNITION SYSTEM

IGNITION COIL

TCNTTTON	COTT.	RESISTANCE	TARLE -	Ohms	a	68°F	(20°C)

Applica	ation	Primary	Secondary
Turbo		.5-1.5	 8000-9000

SPARK PLUGS

SPARK PLUG TYPE TABLE

Application	Bosch	Champion
Turbo		RC7GYC
SPARK PLUG SPECIFICATIONS TA	ABLE	
Application Gap		Torque

850028-.032 (.70-.80) 18 (25)

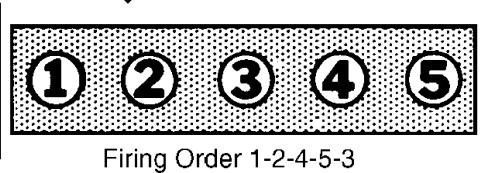
In. (mm)

FIRING ORDER

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

Ft. Lbs. (N.m)

Front Of Vehicle





93A78089 Fig. 1: Firing Order & Distributor Rotation

IGNITION TIMING

IGNITION TIMING TABLE (Degrees BTDC @ RPM)

Application	(1) Timing
Turbo	4-8 @ 750-850
(1) - Ignition timing computer-controlled. Not	adjustable.

FUEL SYSTEM

FUEL PUMP

FUEL PUMP PERFORMANCE TABLE (1)

Application	Pressure psi (kg/cm²)	Volume In 30 Sec. Pts. (L)
850	43.5 (3.06)	1.1 (.52)
(1) - At 12 volts, pump relay by		with engine off and fuel

IDLE SPEED & MIXTURE

IDLE SPEED & CO LEVEL TABLE (1)

Application	Idle RPM	(2) CO Level
850	(3) 850	. (3) .28%

- (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 - TURBO article for switch adjustments.