C - SPECIFICATIONS

1995 Volvo 850

1995 ENGINE PERFORMANCE Volvo - Service & Adjustment Specifications

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) Cooling System (Includes Heater) M/T (M56L) Volvo Synthetic Gearboo A/T (AW 50) (1) | X Oil (97308) 2.2 (2.1) 8.0 (7.6) |

QUICK-SERVICE

SERVICE INTERVALS & SPECIFICATIONS

REPLACEMENT INTERVALS

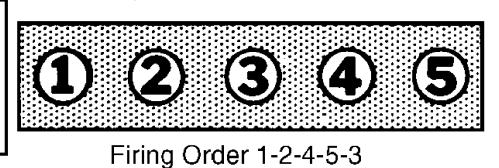
| Component | Miles |
|---|------------------------------------|
| Air Filter Timing Belt Coolant EGR | 30,000 70,000 (1) |
| Inspect Clean (2) Fuel Filter Oil & Filter | 60,000 100,000 60,000 |
| Normal Service Severe Service PCV (Inspect & Clean) Spark Plugs | 10,000 5000 60,000 30,000 |

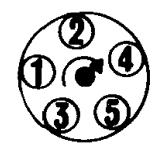
- (1) Coolant replacement interval is no longer recommended by manufacturer.
- (2) After 100,000 mile EGR service, clean every 20,000 miles.

| BELT ADJUSTMENT | | |
|---|---------------------------------------|----------------|
| Application | Specifi | cation |
| 850 | | . (1) |
| (1) - No adjustment is a self-tensioner. | necessary, vehicle is equipped | with |
| MECHANICAL CHECK | (S | |
| ENGINE COMPRESSI | ON | |
| COMPRESSION SPECIFICATI | CONS | |
| Application | Specifi | cation |
| Compression Ratio | | 10.5:1 |
| VALVE CLEARANCE NOTE: Equipped with IGNITION SYSTEM IGNITION COIL | hydraulic lifters. | |
| NOTE: Equipped with IGNITION SYSTEM IGNITION COIL IGNITION COIL RESISTANCE | CE - Ohms @ 68°F (20°C) | ondary |
| NOTE: Equipped with IGNITION SYSTEM IGNITION COIL | CE - Ohms @ 68°F (20°C) Primary Sec | ondary 8400 |
| NOTE: Equipped with IGNITION SYSTEM IGNITION COIL IGNITION COIL RESISTANC Application | CE - Ohms @ 68°F (20°C) Primary Sec | _ |
| NOTE: Equipped with IGNITION SYSTEM IGNITION COIL IGNITION COIL RESISTANC Application Non-Turbo | CE - Ohms @ 68°F (20°C) Primary Sec | 8400 |
| NOTE: Equipped with IGNITION SYSTEM IGNITION COIL IGNITION COIL RESISTANCE Application Non-Turbo | EE - Ohms @ 68°F (20°C) Primary Sec5 | 8400 |
| NOTE: Equipped with IGNITION SYSTEM IGNITION COIL IGNITION COIL RESISTANCE Application Non-Turbo | EE - Ohms @ 68°F (20°C) Primary Sec | 8400 |
| NOTE: Equipped with IGNITION SYSTEM IGNITION COIL IGNITION COIL RESISTANCE Application Non-Turbo SPARK PLUGS SPARK PLUG TYPE Application Non-Turbo SPARK PLUG SPECIFICATIO Application | CE - Ohms @ 68°F (20°C) Primary Sec | ampion RC9YC |

FIRING ORDER

Front Of Vehicle





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93A78089 Fig. 1: Firing Order & Distributor Rotation

IGNITION TIMING

IGNITION TIMING (Degrees BTDC @ RPM)

FUEL SYSTEM

FUEL PUMP

FUEL PUMP PERFORMANCE (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 (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 article for switch adjustments.