### SCHEDULED SERVICES - NON TURBO

1995 Volvo 850

1993-96 MAINTENANCE Volvo Maintenance & Service Intervals - Non-Turbo

1993-96 850 Sedan 1994-96 850 Sportswagon

## \* PLEASE READ THIS FIRST \*

NOTE:

All SERVICE SCHEDULES are listed for normal service vehicles. If vehicle is operated under severe service conditions, see SEVERE SERVICE REQUIREMENTS (PERFORM W/SERVICE SCHEDULES) for items requiring additional maintenance.

NOTE:

This article contains scheduled maintenance service information. Fluid types and capacities listed with each service in this article are only those necessary to perform that scheduled service. For specifications pertaining to fluid capacities for the entire vehicle, fuse and circuit breaker identification, wheel and tire size, battery type, warranty information, or model identification refer to the MAINTENANCE INFORMATION article in this section.

#### **CAUTIONS & WARNINGS**

### SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG)

NOTE: See the AIR BAGS article in the ACCESSORIES/SAFETY EQUIPMENT Section.

Modifications or improper maintenance, including incorrect removal and installation of the Supplemental Restraint System (SRS), can adversely affect system performance. DO NOT cover, obstruct or change the steering wheel horn pad in any way, as such action could cause improper function of the system. Use only plain water when cleaning the horn pad. Solvents or cleaners could adversely affect the air bag cover and cause improper deployment of the system.

WARNING: To avoid injury from accidental air bag deployment, read and carefully follow all warnings and service precautions. See appropriate AIR BAGS article in ACCESSORIES/SAFETY EQUIPMENT.

CAUTION: Disconnect negative battery cable before servicing any air bag system, steering column or passenger side dash component. After any repair, turn ignition key to the ON position from passenger's side of vehicle in case of accidental air bag inflation

### SUPPLEMENTAL RESTRAINT SYSTEM (SRS) AIR BAR WARNING

NOTE: For information on air bag DIAGNOSIS & TESTING or DISPOSAL PROCEDURES, see AIR BAGS article in the ACCESSORIES/SAFETY EQUIPMENT Section.

System circuit is grounded by 2 screws beneath the driver's seat. DO NOT use these screws to ground any other accessory. DO NOT ground any other components near this system.

## SIDE IMPACT PROTECTION SYSTEM (SIPS) - 1995-96 MODELS

NOTE: For information on air bag DIAGNOSIS & TESTING or DISPOSAL PROCEDURES, see AIR BAGS article in the ACCESSORIES/SAFETY EQUIPMENT Section.

#### AIR CONDITIONING SERVICING

CAUTION: Avoid breathing R-134a refrigerant and PAG lubricant vapors, exposure may irritate eyes, nose and throat. To remove R-134a from system use R-134a recycling equipment that meets SAE J2210 specifications. If accidental system discharge occurs, ventilate work area before resuming service.

WARNING: R-134a service equipment or vehicle A/C systems SHOULD NOT be pressure tested or leak tested with compressed air. Some mixtures of air/R134a have shown to be combustible at elevated pressures. These mixtures are dangerous and may cause fire and/or explosions. See AIR CONDITIONING SERVICE article in GENERAL INFORMATION section.

### ANTI-LOCK BRAKE SYSTEM

The anti-lock brake system contains electronic equipment that can be susceptible to interference caused by improperly installed or high output radio transmitting equipment. Since this interference could cause the possible loss of the anti-lock braking capability, such equipment should be installed by qualified professionals.

On models equipped with anti-lock brake systems, ALWAYS observe the following cautions:

- \* DO NOT attempt to bleed hydraulic system without first referring to the appropriate ANTI-LOCK BRAKE SYSTEM article in the BRAKES Section.
- \* DO NOT mix tire sizes. As long as tires remain close to the original diameter, increasing the width is acceptable. Rolling diameter must be identical for all 4 tires. Some manufacturers recommend tires of the same brand, style and type. Failure to follow this precaution may cause inaccurate wheel speed readings.
- \* Use ONLY recommended brake fluids. DO NOT use silicone brake fluids in an ABS-equipped vehicle.

## **BATTERY WARNING**

WARNING: When battery is disconnected, vehicles equipped with computers may lose memory data. When battery power is restored, driveability problems may exist on some vehicles. These vehicles may require a relearn procedure. See COMPUTER RELEARN PROCEDURES article in GENERAL INFORMATION section.

### REPLACING BLOWN FUSES

Before replacing a blown fuse, remove ignition key, turn off all lights and accessories to avoid damaging the electrical system. Be sure to use fuse with the correct indicated amperage rating. The use of an incorrect amperage rating fuse may result in a dangerous electrical system overload.

### **BRAKE SYSTEM**

CAUTION: If brake warning light comes on while driving it indicates a low fluid level or failure in one of the braking circuits. If the brake pedal can be depressed further than normal it is an indication that one of the brake circuits is not functioning. Stop vehicle and check brake reservoir fluid level. If level is below MIN mark, DO NOT drive vehicle. Have it towed to a repair shop. If level is between the MIN and MAX marks, proceed cautiously to a repair shop.

#### BRAKE PAD WEAR INDICATOR

Indicator will cause a squealing or scraping noise, warning that brake pads need replacement.

### CATALYTIC CONVERTER

Continued operation of vehicle with a severe malfunction could cause converter to overheat, resulting in possible damage to converter and vehicle.

Any modification to the exhaust system on turbo models, which reduces exhaust backpressure, will lead to lean fuel mixtures and excessive spark advance. This could cause serious engine damage.

## ELECTROSTATIC DISCHARGE SENSITIVE (ESD) PARTS

WARNING: Many solid state electrical components can be damaged by static electricity (ESD). Some will display a warning label, but many will not. Discharge personal static electricity by touching a metal ground point on the vehicle prior to servicing any ESD sensitive component.

### **ENGINE OIL**

CAUTION: Never use non-detergent or straight mineral oil.

## **FUEL SYSTEM SERVICE**

WARNING: Relieve fuel system pressure prior to servicing any fuel system component (fuel injection models).

#### HALOGEN BULBS

Halogen bulbs contain pressurized gas which may explode if overheated. DO NOT touch glass portion of bulb with bare hands. Eye protection should be worn when handling or working around halogen bulbs.

## **RADIATOR CAP**

CAUTION: Always disconnect the fan motor when working near the radiator fan. The fan is temperature controlled and could start at any time even when the ignition key is in the OFF position. DO NOT loosen or remove radiator cap when cooling system is hot.

#### RADIATOR FAN

WARNING: Keep hands away from radiator fan. Fan is controlled by a thermostatic switch which may come on or run for up to  $15\ \text{minutes}$  even after engine is turned off.

## WHEELS & TIRES

Only wheels tested and approved by the manufacturer should be used on models equipped with Air Dam aerodynamic components.

## **SERVICE POINT LOCATIONS**

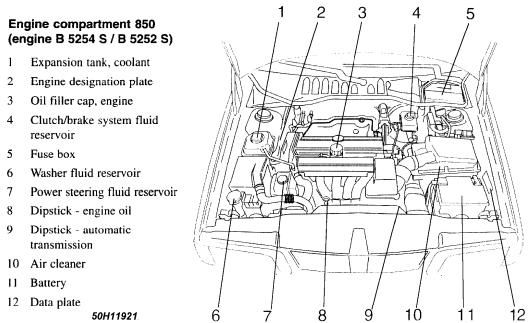


Fig. 1: Service Point Locations (Non-Turbo) Courtesy of Volvo Cars of North America.

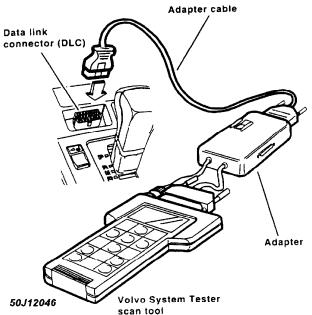


Fig. 2: OBD II Diagnostic Link Connector Location (1996) Courtesy of Volvo Cars of North America.

## CAMSHAFT TIMING BELT REPLACEMENT INFORMATION

CAUTION: Failure to replace a faulty camshaft timing belt may result in serious engine damage.

The condition of camshaft drive belts should always be checked on vehicles which have more than 50,000 miles. Although some manufacturers do not recommend belt replacement at a specified mileage, others require it at 60,000-100,000 miles. A camshaft drive belt failure may cause extensive damage to internal engine components on most engines, although some designs do not allow piston-to-valve contact. These designs are often called "Free Wheeling".

Many manufacturers changed their maintenance and warranty schedules in the mid-1980's to reflect timing belt inspection and/or replacement at 50,000-60,000 miles. Most service interval schedules in this manual reflect these changes.

Belts or components should be inspected and replaced if any of the following conditions exist:

- \* Cracks Or Tears In Belt Surface
- \* Missing, Damaged, Cracked Or Rounded Teeth
- \* Oil Contamination
- \* Damaged Or Faulty Tensioners
- \* Incorrect Tension Adjustment

Volvo recommends replacement of the camshaft timing belt at the following intervals:

#### CAMSHAFT TIMING BELT REPLACEMENT INTERVAL TABLE

Application	Interval	(Miles)
1993		•

### ALIGNING CAMSHAFT TIMING MARKS

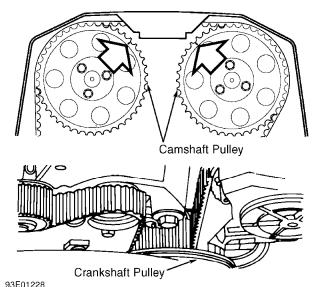
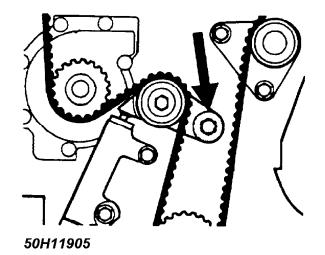


Fig. 3: Aligning Camshaft & Crankshaft Timing Marks Courtesy of Volvo Cars of North America.



## Lubricating bushing

#### Remove:

- lever mounting screw
- tensioner pulley
- sleeve behind screw.

Lubricate surfaces of bushing, screw and sleeve with grease P/N 1161246-2 (50 grams) or 1161247-0 (500 grams).

#### Reinstail:

- sleeve
- tensioner pulley
- lever mounting screw.

Torque screw to  $29 \pm 5$  ft lb =  $39 \pm 5$  Nm.

## Torques:

Pulley lever: 30 ft lb = 40 Nm ldler pulley: 18 ft lb = 25 Nm

Fig. 4: Lubricating Tensioner Pulley Bushing (Pivot Bearing)

Courtesy of Volvo Cars of North America.

 $\hbox{{\tt CAUTION:}} \ \, \hbox{{\tt Lubrication}} \ \, \hbox{{\tt of}} \ \, \hbox{{\tt the Tensioner Pulley Bushing is REQUIRED}} \ \, \hbox{{\tt on}}$ 

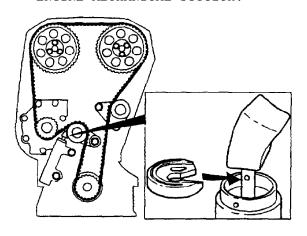
1993 Models, it is recommended that the bushing be checked

for free play and lubrication on 1994-95 models.

NOTE: For more information regarding camshaft timing belt service

refer to the 2.3L 5-CYL TURBO article in the

ENGINE MECHANICAL section.



### Washer installation

Place new washer on piston stem of belt tensioner.

Check that washer centers on piston stem and tensioner case.

#### NOTE!

Make sure that correct side of washer is turned up. The countersunk side should face up. See illustration.

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Fig. 5: Installing Washer on Timing Belt Tensioner Courtesy of Volvo Cars of North America.

MODEL 850 TIMING BELT REPLACEMENT TABLE

Model Year	Part Number	50K	60K	70K	80K	90K	100K
1993*	271952-4	X					Х
1994-	271834-4			E			

- \* = Late M/Y 93 850's (from engine no. 131035) should have M/Y 94 timing belt (p/n 271834-4). See Parts Bulletin 21-13 and Tech DCS 21-02.
- E = Recommended timing belt replacement
- X = Required timing belt replacement

NOTE: On 1993 850's, lubricate timing belt tensioner pivot bearing during timing belt replacement.

## LUBRICATING AUXILIARY DRIVE BELT TENSIONER

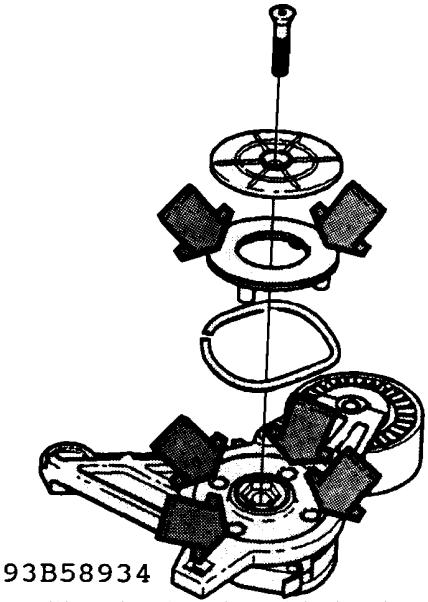


Fig. 6: Auxiliary Drive Belt Tensioner Lubrication Points Courtesy of Volvo Cars of North America.

NOTE: The automatic tensioner for the auxiliary drive belt must be greased every 30,000 miles (45,000 km) or if an abnormal

noise is heard from the tensioner.

NOTE: The auxiliary drive belt and automatic tensioner must be removed from engine in order to properly lubricate.

## FLAME TRAP MAINTENANCE - PCV SYSTEM

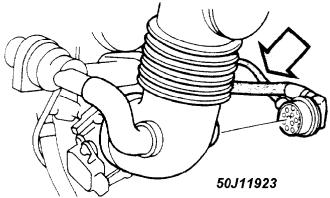


Fig. 7: Flame Trap Location Courtesy of Volvo Cars of North America.

## Check flame trap

Remove flame trap by rotating it approx. 0.59 = 15 mm left (bayonet catch).

Blow clean hoses towards crankcase ventilation.

## Important

Do not undo hoses from flame trap outer casing. Hose location may affect function of throttle control.

## CHANGING CONTROL MODULE BOX FILTER (1993)

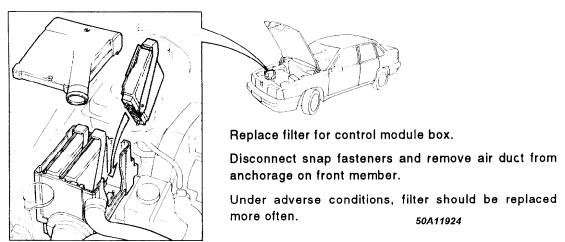


Fig. 8: Control Module Box Filter (1993) Courtesy of Volvo Cars of North America.

## **BODY LUBRICATION POINTS**

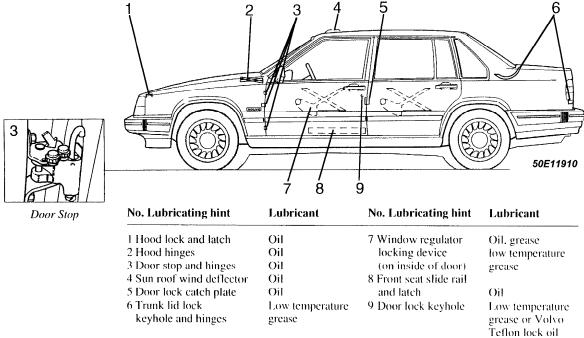


Fig. 9: Body Lubrication Points (Typical) Courtesy of Volvo Cars of North America.

## **VEHICLE LIFT POINTS**

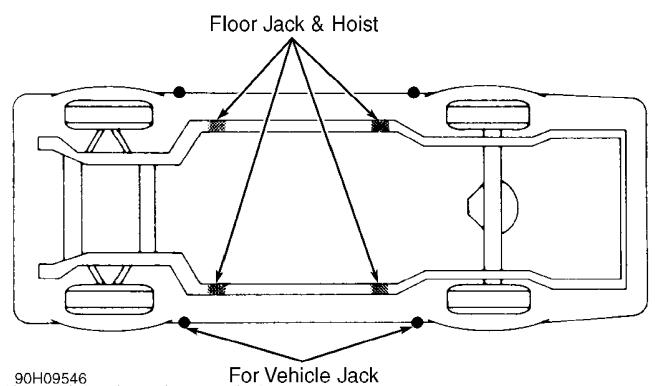


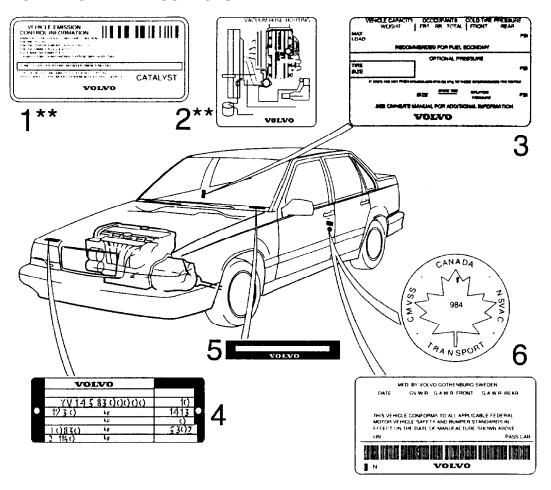
Fig. 10: Vehicle Lift Points (Typical) Courtesy of Volvo Cars of North America.

CAUTION: Use extreme caution when putting a T-5R model, or any model with a front spoiler and lowered suspension onto a lift.

NOTE:

For more information regarding lifting and hoisting refer to the JACKING & HOISTING article in the WHEEL ALIGNMENT section.

## INFORMATION LABEL LOCATIONS



- 1 Vehicle Emission Control Information
- 2 Vacuum hose routing
- 3 Loads and Tire Pressures
- 4 Model plate

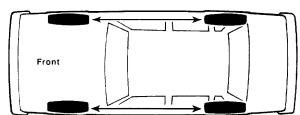
- Vehicle Identification Number (VIN) \*
- 6 Federal Motor Vehicle Safety Standards (FMVSS) specifications (USA) and Ministry of Transport (CMVSS) standards (Canada)
- \* The Vehicle Identification Number (VIN) should always be quoted in all correspondence concerning your vehicle with the dealer and when ordering parts.
- \*\* These decals are located on the underside of the hood.

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## All specifications are subject to change without notice.

Fig. 11: Information Label Locations Courtesy of Volvo Cars of North America. Tighten all wheel lug nuts to 80 ft. lbs. (110 N.m) using pattern shown in  $\;$  Fig. 12.

### TIRE ROTATION PATTERNS



#### Tire rotation

- •Use rotation sequence shown in diagram.
- •Tighten wheel bolt nuts to proper torque specification.

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Fig. 12: Tire Rotation Pattern & Lug Nut Torque Pattern Courtesy of Volvo Cars of North America.

## **SEVERE & NORMAL SERVICE DEFINITIONS**

NOTE: Use the Severe Service schedule if the vehicle to be serviced is operated under ANY (one or more) of these conditions:

Service is recommended at mileage intervals based on vehicle operation. Service schedules are based on the following primary operating conditions:

Normal Service

- \* Driven More Than 10 Miles Daily
- \* No Operating Conditions From Severe Service Schedule

Severe Service (Unique Driving Conditions)

- \* Extended Idling Or Low Speed Operation
- \* Frequent Short Trips Of Less Than 7 Miles
- \* Extended Operation In Dusty Or Sandy Conditions
- \* Trailer Towing Operations
- \* Driving In Mountainous Conditions

### SEVERE SERVICE REQUIREMENTS (PERFORM W/SERVICE SCHEDULES)

NOTE:

The following services are to be performed on vehicles subjected to severe service. See SEVERE & NORMAL SERVICE DEFINITIONS. This service is to be performed in addition to the normal services listed in the NORMAL MAINTENANCE SERVICE SCHEDULES.

### SEVERE SERVICE CONDITIONS/ACTIONS TABLE

Condition	Action	Item	Perform Every (1)
Extended Idling Or Low Speed Operation	Replace	Engine Oil & Filter	3,750 Miles or 3 Months
Frequent Short Trips Of Less	Replace	Engine Oil & Filter	3,750 Miles or 3 Months

Than 7 Miles			
Extended Operation In Dusty Or Sandy Conditions	Replace	Engine Oil & Filter	3,750 Miles or 3 Months
Trailer Towing Operations	Replace	Engine Oil & Filter	3,750 Miles or 3 Months
Driving In Mountainous Conditions	Replace	Engine Oil & Filter	3,750 Miles or 3 Months

<sup>(1) -</sup> Perform these services at the mileage or number of months (since the last time), whichever comes first.

## **NORMAL MAINTENANCE SERVICE SCHEDULES**

The following service schedules refer to vehicles driven under normal operating conditions. For vehicles driven under severe conditions, additional services may be necessary. See SEVERE SERVICE REQUIREMENTS (PERFORM W/SERVICE SCHEDULES) above in this article for additional service requirements.

## 5000 MILE (8000 KM) SERVICE

5000 MILE (8000 KM) SERVICE

S	Service Or Inspect
C	Check Fluid Levels
I	Inspect Coolant Hoses and Clamps
I	Inspect Brake System
I	Inspect Exhaust System
I	Inspect Steering Linkage/Front Suspension
I	Lubricate Chassis
C	Clean Power Antenna Mast
F	Road Test
F	Replace
E	Engine Oil
C	Dil Filter
I	Lubrication Specifications
Applic	cation Specification
Les	e Oil Lent Temperature ss Than 68°F (20°C) SAE 5W30 API SG/CD °F To 100°F (-20° To 38°C) SAE 10W30 API SG/CD

Greater Than 14°F (-10°C) SAE 15W40 API SG/CD
Fluid Capacities
Application (1) Quantity
Engine Oil Non-Turbo (Includes Oil Filter) (2) 5.6 Qts. (5.3L) Turbo (Includes Oil Filter) (2) (3) 6.3 Qts. (6.2L)
<ul> <li>(1) - Capacities are recommended or calculated levels. Always use dipstick (if available) to measure level.</li> <li>(2) - DO NOT use SAE 15W/40 oil in extremely low ambient</li> </ul>
temperatures. (3) - Turbo includes 0.95 Qts. (0.9L) for Oil Cooler.

# 10,000 MILE (16,000 KM) SERVICE

10,000 MILE (16,000 KM) SERVICE

Service Or Inspect
Verify Last Major Service Was Performed
Check Fluid Levels
Check Cooling System Hoses and Clamps
Check Coolant Strength
Inspect Brake System
Check Exhaust System & Heat Shielding
Clean Battery and Battery Terminals
Inspect Fuel/Tank/Cap/Lines
Check Operation of Horn, Wipers/Washers & All Exterior Lights
Inspect Condition of Wiper Blades
Check Headlight Alignment
Lubricate Weatherstripping with Silicone
Lubricate Door Hinges
Lubricate Door Locks
Check Body Drain Holes
Clean Power Antenna Mast
Check Seat Belt Webbing and Release Mechanisms
Check Parking Brake Operation
Check Shift Interlock Operation
Inspect Steering Linkage/Front Suspension

<del></del>
Lubricate Chassis
Inspect Brake Pads, Rotors and Calipers
Inspect Brake System Hoses & Lines
Inspect Shocks/Struts for Leakage
Inspect Tire Wear Pattern
Rotate Tires and Adjust Air Pressure (Including Spare)
Road Test
Reset Service Reminder Indicator
Replace
Engine Oil
Oil Filter
Lubrication Specifications
Application Specification
Antifreeze/Engine Coolant Ethylene Glycol Antifreeze Automatic Transmission Dexron-IIE or Mercon Brake Fluid DOT 4 Brake Fluid Or Equivalent Power Steering Fluid Dexron-IIE or Mercon ATF Engine Oil  Ambient Temperature Less Than 68°F (20°C) SAE 5W30 API SG/CD -4°F To 100°F (-20° To 38°C) SAE 10W30 API SG/CD Greater Than 14°F (-10°C) SAE 15W40 API SG/CD Manual Transmission (1) Volvo Synthetic 97308 or Type F/G ATF
(1) - DO NOT use Dexron fluid in manual transmissions.
Fluid Capacities
Application (1) Quantity
Automatic Transmission 8.0 Qts. (7.6L) Cooling System 7.8 Qts. (7.2L) Engine Oil Non-Turbo (Includes Oil Filter) (2) 5.6 Qts. (5.3L) Turbo (Includes Oil Filter) (2) (3) 6.3 Qts. (6.2L) Manual Transmission 2.5 Qts. (2.1L)
<ul> <li>(1) - Capacities are recommended or calculated levels. Always use dipstick (if available) to measure level.</li> <li>(2) - DO NOT use SAE 15W/40 oil in extremely low ambient temperatures.</li> <li>(3) - Turbo includes 0.95 Qts. (0.9L) for Oil Cooler.</li> </ul>

# 20,000 MILE (32,000 KM) SERVICE

5	Service Or Inspect
7	Verify Last Major Service Was Performed
	Check Fluid Levels
	Check Cooling System Hoses and Clamps
	Check Coolant Strength
]	Inspect Brake System
(	Check Exhaust System & Heat Shielding
C	Clean Battery and Battery Terminals
	Check/Adjust Kick-down Cable
	Inspect Fuel/Tank/Cap/Lines
	Check Operation of Horn, Wipers/Washers & All Exterior Lights
	Inspect Condition of Wiper Blades
	Check Headlight Alignment
I	Lubricate Weatherstripping with Silicone
I	Lubricate Door Hinges
I	Lubricate Door Locks
	Check Body Drain Holes
	Clean Power Antenna Mast
	Check Seat Belt Webbing and Release Mechanisms
	Check Parking Brake Operation
	Check Shift Interlock Operation
	Inspect Steering Linkage/Front Suspension
I	Lubricate Chassis
	Inspect Brake Pads, Rotors and Calipers
	Inspect Brake System Hoses & Lines
	Inspect Shocks/Struts for Leakage
	Inspect Tire Wear Pattern
F	Rotate Tires and Adjust Air Pressure (Including Spare)
F	Road Test
F	Reset Service Reminder Indicator
F	Replace
-	

Engine Oil
Oil Filter
Automatic Transaxle Fluid (1993-94 Models)
Lubrication Specifications
Application Specification
Antifreeze/Engine Coolant Ethylene Glycol Antifreeze Automatic Transmission Dexron-IIE or Mercon Brake Fluid DOT 4 Brake Fluid Or Equivalent Power Steering Fluid Dexron-IIE or Mercon ATF Engine Oil Ambient Temperature Less Than 68°F (20°C) SAE 5W30 API SG/CD -4°F To 100°F (-20° To 38°C) SAE 10W30 API SG/CD Greater Than 14°F (-10°C) SAE 15W40 API SG/CD Manual Transmission (1) Volvo Synthetic 97308 or Type F/G ATF  (1) - DO NOT use Dexron fluid in manual transmissions.
Fluid Capacities
Application (1) Quantity
Automatic Transmission 8.0 Qts. (7.6L) Cooling System 7.8 Qts. (7.2L) Engine Oil Non-Turbo (Includes Oil Filter) (2) 5.6 Qts. (5.3L) Turbo (Includes Oil Filter) (2) (3) 6.3 Qts. (6.2L) Manual Transmission 2.5 Qts. (2.1L)
<ul> <li>(1) - Capacities are recommended or calculated levels. Always use dipstick (if available) to measure level.</li> <li>(2) - DO NOT use SAE 15W/40 oil in extremely low ambient temperatures.</li> <li>(3) - Turbo includes 0.95 Qts. (0.9L) for Oil Cooler.</li> </ul>

# 30,000 MILE (48,000 KM) SERVICE

30,000 MILE (48,000 KM) SERVICE

Service Or Inspect
Verify Last Major Service Was Performed
Check Fluid Levels
Check Cooling System Hoses and Clamps
Inspect Brake System
Check Exhaust System & Heat Shielding
Clean Battery and Battery Terminals
Inspect/Adjust Accessory Drive Belts (Replace if Required)

Crankcase Ventilation System
Ventilation Hoses
Manual Transmission Fluid
Inspect Fuel/Tank/Cap/Lines
Check Operation of Horn, Wipers/Washers & All Exterior Lights
Inspect Condition of Wiper Blades
Check Headlight Alignment
Lubricate Weatherstripping with Silicone
Lubricate Door Hinges
Lubricate Door Locks
Check Body Drain Holes
Clean Power Antenna Mast
Check Seat Belt Webbing and Release Mechanisms
Check Parking Brake Operation
Check Shift Interlock Operation
Clutch Release Arm Travel
Inspect Steering Linkage/Front Suspension
Lubricate Chassis
Inspect Brake Pads, Rotors and Calipers
Inspect Brake System Hoses & Lines
ABS System Operation
Inspect Shocks/Struts for Leakage
Suspension Bushings, Springs, Arms & Rear Jounce Bumpers
Inspect Tire Wear Pattern
Rotate Tires and Adjust Air Pressure (Including Spare)
Road Test
Reset Service Reminder Indicator
Replace
Engine Oil
Oil Filter
Spark Plugs
Air Filter Element

Control Module Filter
Drain, Flush and Refill Engine Coolant
Drain, Refill and Bleed Brake System
Lubrication Specifications
Application Specification
Antifreeze/Engine Coolant Ethylene Glycol Antifreeze Automatic Transmission Dexron-IIE or Mercon Brake Fluid DOT 4 Brake Fluid Or Equivalent Power Steering Fluid Dexron-IIE or Mercon ATF Engine Oil  Ambient Temperature  Less Than 68°F (20°C) SAE 5W30 API SG/CD -4°F To 100°F (-20° To 38°C) SAE 10W30 API SG/CD Greater Than 14°F (-10°C) SAE 15W40 API SG/CD Manual Transmission (1) Volvo Synthetic 97308 or Type F/G ATF
(1) - DO NOT use Dexron fluid in manual transmissions.
Fluid Capacities
Application (1) Quantity
Automatic Transmission
Turbo (Includes Oil Filter) (2) (3)       6.3 Qts. (6.2L)         Manual Transmission       2.5 Qts. (2.1L)
<ul> <li>(1) - Capacities are recommended or calculated levels. Always use dipstick (if available) to measure level.</li> <li>(2) - DO NOT use SAE 15W/40 oil in extremely low ambient temperatures.</li> <li>(3) - Turbo includes 0.95 Qts. (0.9L) for Oil Cooler.</li> </ul>
Service Labor Times
Application Hours
850 2.5L 5-Cylinder 3.8

## 40,000 MILE (64,000 KM) SERVICE

40,000 MILE (64,000 KM) SERVICE

Service Or Inspect
Verify Last Major Service Was Performed
Check Fluid Levels
Check Cooling System Hoses and Clamps
Check Coolant Strength

Inspect Brake System
Check Exhaust System & Heat Shielding
Clean Battery and Battery Terminals
Check/Adjust Kick-down Cable
Inspect Fuel/Tank/Cap/Lines
Check Operation of Horn, Wipers/Washers & All Exterior Lights
Inspect Condition of Wiper Blades
Check Headlight Alignment
Lubricate Weatherstripping with Silicone
Lubricate Door Hinges
Lubricate Door Locks
Check Body Drain Holes
Clean Power Antenna Mast
Check Seat Belt Webbing and Release Mechanisms
Check Parking Brake Operation
Check Shift Interlock Operation
Inspect Steering Linkage/Front Suspension
Lubricate Chassis
Inspect Brake Pads, Rotors and Calipers
Inspect Brake System Hoses & Lines
Inspect Shocks/Struts for Leakage
Inspect Tire Wear Pattern
Rotate Tires and Adjust Air Pressure (Including Spare)
Road Test
Reset Service Reminder Indicator
Replace
Engine Oil
Oil Filter
Automatic Transmission Fluid (All Models)
Lubrication Specifications

Application Specification

Antifreeze/Engine Coolant Ethylene Glycol Antifreeze Automatic Transmission Dexron-IIE or Mercon Brake Fluid DOT 4 Brake Fluid Or Equivalent Power Steering Fluid Dexron-IIE or Mercon ATF Engine Oil  Ambient Temperature Less Than 68°F (20°C) SAE 5W30 API SG/CD -4°F To 100°F (-20° To 38°C) SAE 10W30 API SG/CD Greater Than 14°F (-10°C) SAE 15W40 API SG/CD Manual Transmission (1) Volvo Synthetic 97308 or Type F/G ATF
(1) - DO NOT use Dexron fluid in manual transmissions.
Fluid Capacities
Application (1) Quantity
Automatic Transmission
Non-Turbo (Includes Oil Filter) (2) 5.6 Qts. (5.3L) Turbo (Includes Oil Filter) (2) (3) 6.3 Qts. (6.2L) Manual Transmission 2.5 Qts. (2.1L)
<ul> <li>(1) - Capacities are recommended or calculated levels. Always use dipstick (if available) to measure level.</li> <li>(2) - DO NOT use SAE 15W/40 oil in extremely low ambient temperatures.</li> <li>(3) - Turbo includes 0.95 Qts. (0.9L) for Oil Cooler.</li> </ul>

# 50,000 MILE (80,000 KM) SERVICE

50,000 MILE (80,000 KM) SERVICE

Service Or Inspect
Verify Last Major Service Was Performed
Check Fluid Levels
Check Cooling System Hoses and Clamps
Check Coolant Strength
Inspect Brake System
Check Exhaust System & Heat Shielding
Clean Battery and Battery Terminals
Inspect Fuel/Tank/Cap/Lines
Check Operation of Horn, Wipers/Washers & All Exterior Lights
Inspect Condition of Wiper Blades
Check Headlight Alignment
Lubricate Weatherstripping with Silicone
<del></del>

Lubricate Door Hinges	
Lubricate Door Locks	
Check Body Drain Holes	
Clean Power Antenna Mast	
Check Seat Belt Webbing and Release Mechanisms	
Check Parking Brake Operation	
Check Shift Interlock Operation	
Inspect Steering Linkage/Front Suspension	
Lubricate Chassis	
Inspect Brake Pads, Rotors and Calipers	
Inspect Brake System Hoses & Lines	
Inspect Shocks/Struts for Leakage	
Inspect Tire Wear Pattern	
Rotate Tires and Adjust Air Pressure (Including Spare)	
Road Test	
Reset Service Reminder Indicator	
Replace	
Engine Oil	
Oil Filter	
Drain, Flush and Refill Engine Coolant	
Accessory Drive Belts (1992-93 Models Only)	
Camshaft Timing Belt (1993 Models Only)	
Lubrication Specifications	
Application Specification	
Antifreeze/Engine Coolant Ethylene Glycol Antifreeze Automatic Transmission Dexron-IIE or Mercon Brake Fluid DOT 4 Brake Fluid Or Equivalent Power Steering Fluid Dexron-IIE or Mercon ATF Engine Oil Ambient Temperature Less Than 68°F (20°C) SAE 5W30 API SG/CD -4°F To 100°F (-20° To 38°C) SAE 10W30 API SG/CD	
Greater Than 14°F (-10°C) SAE 15W40 API SG/CD Manual Transmission (1) Volvo Synthetic 97308 or Type F/G ATF	
(1) - DO NOT use Dexron fluid in manual transmissions.	
Fluid Capacities	

	-
Application	(1) Quantity
Automatic Transmission	8.0 Qts. (7.6L) 7.8 Qts. (7.2L)
Non-Turbo (Includes Oil Filter) (2)  Turbo (Includes Oil Filter) (2) (3)  Manual Transmission	6.3 Qts. (6.2L)
<ul> <li>(1) - Capacities are recommended or calculated lev dipstick (if available) to measure level.</li> <li>(2) - DO NOT use SAE 15W/40 oil in extremely low a temperatures.</li> <li>(3) - Turbo includes 0.95 Qts. (0.9L) for Oil Cool</li> </ul>	mbient
Service Labor Times	
Application	(1) Hours
850 2.5L 5-Cylinder	4.6
(1) - To replace camshaft timing belt, add 2.0 hrs	•

# 60,000 MILE (96,000 KM) SERVICE

60,000 MILE (96,000 KM) SERVICE

Service Or Inspect
Verify Last Major Service Was Performed
Check Fluid Levels
Check Cooling System Hoses and Clamps
Inspect Brake System
Check Exhaust System & Heat Shielding
Clean Battery and Battery Terminals
Check/Adjust Kick-down Cable
Inspect/Adjust Drive Belts (1993 Replace if Required)
Clean EGR System (1993-94 Models Only)
Inspect PCV Valve, Flame Guard and Hoses
PCV Nipple/Orifices
Crankcase Ventilation System
Ventilation Hoses
Manual Transmission Fluid
Inspect Fuel/Tank/Cap/Lines
Check Operation of Horn, Wipers/Washers & All Exterior Lights

	nspect Condition of Wiper Blades
	heck Headlight Alignment
L	ubricate Weatherstripping with Silicone
L	ubricate Door Hinges
L	ubricate Door Locks
С	heck Body Drain Holes
С	lean Power Antenna Mast
С	heck Seat Belt Webbing and Release Mechanisms
С	heck Parking Brake Operation
С	heck Shift Interlock Operation
С	lutch Release Arm Travel
I	nspect Steering Linkage/Front Suspension
S	teering System & Wheel Alignment
L	ubricate Chassis
Ι	nspect Brake Pads, Rotors and Calipers
Ι	nspect Brake System Hoses & Lines
Α	BS System Operation
Ι	nspect Shocks/Struts for Leakage
S	uspension Bushings, Springs, Arms & Rear Jounce Bumpers
Ι	nspect Tire Wear Pattern
F	ront Wheel Alignment
R	otate Tires and Adjust Air Pressure (Including Spare)
R	oad Test
R	eset Service Reminder Indicator
R	eplace
Ε	ngine Oil
0	il Filter
S	park Plugs
А	ir Filter Element
С	ontrol Module Filter
- E	uel Filter (1992-94 Models)

Fuel Filter	
Accessory Drive Belts (1994-95 Models Only)	
Automatic Transmission Fluid (1992-94 Models)	
Automatic Transmission Fluid	
Drain, Flush and Refill Engine Coolant	
Drain, Refill and Bleed Brake System	
Lubrication Specifications	
Application Specification	
Antifreeze/Engine Coolant Ethylene Glycol Antifreeze Automatic Transmission Dexron-IIE or Mercon Brake Fluid DOT 4 Brake Fluid Or Equivalent Power Steering Fluid Dexron-IIE or Mercon ATF Engine Oil  Ambient Temperature Less Than 68°F (20°C) SAE 5W30 API SG/CD -4°F To 100°F (-20° To 38°C) SAE 10W30 API SG/CD Greater Than 14°F (-10°C) SAE 15W40 API SG/CD Wanual Transmission (1) Volvo Synthetic 97308 or Type F/G ATF	
(1) - DO NOT use Dexron fluid in manual transmissions.	
Fluid Capacities	
Application (1) Quantity	
Automatic Transmission	
Cooling System	

# 70,000 MILE (112,000 KM) SERVICE

70,000 MILE (112,000 KM) SERVICE

	Verify Last Major Service Was Performed
	Check Fluid Levels
	Check Cooling System Hoses and Clamps
	Check Coolant Strength
	Inspect Brake System
	Check Exhaust System & Heat Shielding
	Clean Battery and Battery Terminals
	Inspect Fuel/Tank/Cap/Lines
	Check Operation of Horn, Wipers/Washers & All Exterior Lights
	Inspect Condition of Wiper Blades
	Check Headlight Alignment
	Lubricate Weatherstripping with Silicone
	Lubricate Door Hinges
	Lubricate Door Locks
	Check Body Drain Holes
	Clean Power Antenna Mast
	Check Seat Belt Webbing and Release Mechanisms
	Check Parking Brake Operation
	Check Shift Interlock Operation
	Inspect Steering Linkage/Front Suspension
	Lubricate Chassis
	Inspect Brake Pads, Rotors and Calipers
	Inspect Brake System Hoses & Lines
	Inspect Shocks/Struts for Leakage
	Inspect Tire Wear Pattern
	Rotate Tires and Adjust Air Pressure (Including Spare)
	Road Test
	Reset Service Reminder Indicator
	Replace
	Engine Oil
	Oil Filter
	Camshaft Timing Belt (1994-95 Models)

Lubrication Specifications			
Application Specification			
Antifreeze/Engine Coolant Ethylene Glycol Antifreeze Automatic Transmission Dexron-IIE or Mercon Brake Fluid DOT 4 Brake Fluid Or Equivalent Power Steering Fluid Dexron-IIE or Mercon ATF Engine Oil  Ambient Temperature			
Less Than 68°F (20°C)			
(1) - DO NOT use Dexron fluid in manual transmissions.			
Fluid Capacities			
Application (1) Quantity			
Automatic Transmission			
Non-Turbo (Includes Oil Filter) (2) 5.6 Qts. (5.3L) Turbo (Includes Oil Filter) (2) (3) 6.3 Qts. (6.2L) Manual Transmission 2.5 Qts. (2.1L)			
<ul> <li>(1) - Capacities are recommended or calculated levels. Always use dipstick (if available) to measure level.</li> <li>(2) - DO NOT use SAE 15W/40 oil in extremely low ambient temperatures.</li> <li>(3) - Turbo includes 0.95 Qts. (0.9L) for Oil Cooler.</li> </ul>			

# 80,000 MILE (128,000 KM) SERVICE

80,000 MILE (128,000 KM) SERVICE

Service Or Inspect
Verify Last Major Service Was Performed
Check Fluid Levels
Check Cooling System Hoses and Clamps
Check Coolant Strength
Inspect Brake System
Check Exhaust System & Heat Shielding
Clean EGR System (1992-94 Models Only)
Clean Battery and Battery Terminals
Check/Adjust Kick-down Cable
Inspect Fuel/Tank/Cap/Lines

Check Operation of Horn, Wipers/Washers & All Exterior Lights
Inspect Condition of Wiper Blades
Check Headlight Alignment
Lubricate Weatherstripping with Silicone
Lubricate Door Hinges
Lubricate Door Locks
Check Body Drain Holes
Clean Power Antenna Mast
Check Seat Belt Webbing and Release Mechanisms
Check Parking Brake Operation
Check Shift Interlock Operation
Inspect Steering Linkage/Front Suspension
Lubricate Chassis
Inspect Brake Pads, Rotors and Calipers
Inspect Brake System Hoses & Lines
Inspect Shocks/Struts for Leakage
Inspect Tire Wear Pattern
Rotate Tires and Adjust Air Pressure (Including Spare)
Road Test
Reset Service Reminder Indicator
Replace
Engine Oil
Oil Filter
Automatic Transmission Fluid (All Models)
Lubrication Specifications
Application Specification
Antifreeze/Engine Coolant Ethylene Glycol Antifreeze Automatic Transmission Dexron-IIE or Mercon Brake Fluid DOT 4 Brake Fluid Or Equivalent Power Steering Fluid Dexron-IIE or Mercon ATF Engine Oil Ambient Temperature Less Than 68°F (20°C) SAE 5W30 API SG/CD -4°F To 100°F (-20° To 38°C) SAE 10W30 API SG/CD Greater Than 14°F (-10°C) SAE 15W40 API SG/CD Manual Transmission (1) Volvo Synthetic 97308 or

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Type F/G ATF (1) - DO NOT use Dexron fluid in manual transmissions. Fluid Capacities Application (1) Quantity Automatic Transmission ..... 8.0 Qts. (7.6L) Cooling System ..... 7.8 Qts. (7.2L) Engine Oil Non-Turbo (Includes Oil Filter) (2) ...... 5.6 Qts. (5.3L) Turbo (Includes Oil Filter) (2) (3) ...... 6.3 Qts. (6.2L) Manual Transmission ..... 2.5 Qts. (2.1L) (1) - Capacities are recommended or calculated levels. Always use dipstick (if available) to measure level. (2) - DO NOT use SAE 15W/40 oil in extremely low ambient temperatures. (3) - Turbo includes 0.95 Qts. (0.9L) for Oil Cooler.

## 90,000 MILE (144,000 KM) SERVICE

90,000 MILE (144,000 KM) SERVICE

Service Or Inspect	
Verify Last Major Service Was Performed	
Check Fluid Levels	
Check Cooling System Hoses and Clamps	
Inspect Brake System	
Check Exhaust System & Heat Shielding	
Clean Battery and Battery Terminals	
Inspect/Adjust Accessory Drive Belts (Replace	ce if Required)
Crankcase Ventilation System	
Ventilation Hoses	
Manual Transmission Fluid	
Inspect Fuel/Tank/Cap/Lines	
Check Operation of Horn, Wipers/Washers & Al	l Exterior Lights
Inspect Condition of Wiper Blades	
Check Headlight Alignment	
Lubricate Weatherstripping with Silicone	
Lubricate Door Hinges	
Lubricate Door Locks	
T	

	Check Body Drain Holes
	Clean Power Antenna Mast
	Check Seat Belt Webbing and Release Mechanisms
	Check Parking Brake Operation
	Check Shift Interlock Operation
	Inspect Steering Linkage/Front Suspension
	Steering System & Wheel Alignment
	Clutch Release Arm Travel
	Lubricate Chassis
	Inspect Brake Pads, Rotors and Calipers
	Inspect Brake System Hoses & Lines
	ABS System Operation
	Inspect Shocks/Struts for Leakage
	Suspension Bushings, Springs, Arms & Rear Jounce Bumpers
	Inspect Tire Wear Pattern
	Rotate Tires and Adjust Air Pressure (Including Spare)
	Road Test
	Reset Service Reminder Indicator
	Replace
	Engine Oil
	Oil Filter
	Spark Plugs
	Air Filter Element
1	Control Module Filter
	Drive Belts
	Drain, Flush and Refill Engine Coolant
	Drain, Refill and Bleed Brake System
	Lubrication Specifications
App	plication Specification
Aut Bra Pov	tifreeze/Engine Coolant Ethylene Glycol Antifreeze tomatic Transmission Dexron-IIE or Mercor ake Fluid DOT 4 Brake Fluid Or Equivalent wer Steering Fluid Dexron-IIE or Mercon ATE gine Oil

Ambient Temperature  Less Than 68°F (20°C)
(1) - DO NOT use Dexron fluid in manual transmissions.
Fluid Capacities
Application (1) Quantity
Automatic Transmission
Non-Turbo (Includes Oil Filter) (2)       5.6 Qts. (5.3L)         Turbo (Includes Oil Filter) (2) (3)       6.3 Qts. (6.2L)         Manual Transmission       2.5 Qts. (2.1L)
<ul> <li>(1) - Capacities are recommended or calculated levels. Always use dipstick (if available) to measure level.</li> <li>(2) - DO NOT use SAE 15W/40 oil in extremely low ambient temperatures.</li> <li>(3) - Turbo includes 0.95 Qts. (0.9L) for Oil Cooler.</li> </ul>
Service Labor Times
Application (1) Hours
850 2.5L 5-Cylinder 3.8

## 100,000 MILE (160,000 KM) SERVICE

100,000 MILE (160,000 KM) SERVICE

	Service Or Inspect
	Verify Last Major Service Was Performed
	Check Fluid Levels
	Check Cooling System Hoses and Clamps
	Check Coolant Strength
	Inspect Brake System
	Check Exhaust System & Heat Shielding
	Clean EGR System (All Models)
	Inspect PCV Valve, Flame Guard and Hoses
	Clean Battery and Battery Terminals
	Check/Adjust Kick-down Cable
 	Inspect Fuel/Tank/Cap/Lines
	Check Operation of Horn, Wipers/Washers & All Exterior Lights

	Inspect Condition of Wiper Blades	
	Check Headlight Alignment	
_	Lubricate Weatherstripping with Silicone	
_	Lubricate Door Hinges	
<u> </u>	Lubricate Door Locks	
	Check Body Drain Holes	
	Clean Power Antenna Mast	
	Check Seat Belt Webbing and Release Mechanisms	
	Check Parking Brake Operation	
	Check Shift Interlock Operation	
	Inspect Steering Linkage/Front Suspension	
	Lubricate Chassis	
	Inspect Brake Pads, Rotors and Calipers	
	Inspect Brake System Hoses & Lines	
	Inspect Shocks/Struts for Leakage	
	Inspect Tire Wear Pattern	
	Rotate Tires and Adjust Air Pressure (Including	Spare)
	Road Test	
	Reset Service Reminder Indicator	
	Replace	
	Engine Oil	
	Oil Filter	
	Fuel Filter (1995 Models Only)	
	Accessory Drive Belts (1993 Models Only)	
	Camshaft Timing Belt (1993 Models Only)	
1	Drain, Refill and Bleed Brake System Fluid	
1	Automatic Transmission Fluid (1992-94 Models)	
	Lubrication Specifications	
Ιg	ication	Specificati

Engine Oil Ambient Temperature Less Than 68°F (20°C)		
Fluid Capacities		
Application (1) Quantity		
Automatic Transmission		
Service Labor Times		
Application (1) Hours		
850 2.5L 5-Cylinder 4.6		
(1) - To replace camshaft timing belt, add 2.0 hrs.		

# 110,000 MILE (176,000 KM) SERVICE

110,000 MILE (176,000 KM) SERVICE

Service Or Inspect
Verify Last Major Service Was Performed
Check Fluid Levels
Check Cooling System Hoses and Clamps
Check Coolant Strength
Inspect Brake System
Check Exhaust System & Heat Shielding
Clean Battery and Battery Terminals
Inspect Fuel/Tank/Cap/Lines
Check Operation of Horn, Wipers/Washers & All Exterior Lights
Inspect Condition of Wiper Blades

Check Headlight Alignment		
Lubricate Weatherstripping with Silicone		
Lubricate Door Hinges		
Lubricate Door Locks		
Check Body Drain Holes		
Clean Power Antenna Mast		
Check Seat Belt Webbing and Release Mechanisms		
Check Parking Brake Operation		
Check Shift Interlock Operation		
Inspect Steering Linkage/Front Suspension		
Lubricate Chassis		
Inspect Brake Pads, Rotors and Calipers		
Inspect Brake System Hoses & Lines		
Inspect Shocks/Struts for Leakage		
Inspect Tire Wear Pattern		
Rotate Tires and Adjust Air Pressure (Including Spare)		
Road Test		
Reset Service Reminder Indicator		
Replace		
Engine Oil		
Oil Filter		
Lubrication Specifications		
Application Specification		
Antifreeze/Engine Coolant Ethylene Glycol Antifreeze Automatic Transmission Dexron-IIE or Mercon Brake Fluid DOT 4 Brake Fluid Or Equivalent Power Steering Fluid Dexron-IIE or Mercon ATF Engine Oil  Ambient Temperature Less Than 68°F (20°C) SAE 5W30 API SG/CD -4°F To 100°F (-20° To 38°C) SAE 10W30 API SG/CD Greater Than 14°F (-10°C) SAE 15W40 API SG/CD Manual Transmission (1) Volvo Synthetic 97308 or		
Type F/G ATF  (1) - DO NOT use Dexron fluid in manual transmissions.		
Fluid Capacities		
Application (1) Quantity		
11 (1) gamerej		

Automatic Transmission Cooling System Engine Oil			
Non-Turbo (Includes Oil Filter) (2)  Turbo (Includes Oil Filter) (2) (3)  Manual Transmission	6.3 Qts. (6.2L)		
<ul> <li>(1) - Capacities are recommended or calculated levels. Always use dipstick (if available) to measure level.</li> <li>(2) - DO NOT use SAE 15W/40 oil in extremely low ambient</li> </ul>			
temperatures. (3) - Turbo includes 0.95 Qts. (0.9L) for Oil Cool	er.		

# 120,000 MILE (192,000 KM) SERVICE

120,000 MILE (192,000 KM) SERVICE

Service Or Inspect
Verify Last Major Service Was Performed
Check Fluid Levels
Check Cooling System Hoses and Clamps
Inspect Brake System
Check Exhaust System & Heat Shielding
Clean Battery and Battery Terminals
Check/Adjust Kick-down Cable
Inspect/Adjust Drive Belts (1992-93 Replace if Required)
Inspect and Clean EGR System (All Models)
Check EGR Valve
Inspect PCV Valve, Flame Guard and Hoses
PCV Nipple/Orifices
Ventilation Hoses
Crankcase Ventilation System
Inspect Fuel/Tank/Cap/Lines
Manual Transmission Fluid
Check Operation of Horn, Wipers/Washers & All Exterior Lights
Inspect Condition of Wiper Blades
Check Headlight Alignment
Lubricate Weatherstripping with Silicone
Lubricate Door Hinges

<del>                                     </del>	
	Lubricate Door Locks
	Check Body Drain Holes
	Clean Power Antenna Mast
	Check Seat Belt Webbing and Release Mechanisms
	Check Parking Brake Operation
	Check Shift Interlock Operation
	Inspect Steering Linkage/Front Suspension
	Steering System & Wheel Alignment
	Clutch Release Arm Travel
	Lubricate Chassis
	Inspect Brake Pads, Rotors and Calipers
	Inspect Brake System Hoses & Lines
	ABS System Operation
	Inspect Shocks/Struts for Leakage
	Suspension Bushings, Springs, Arms & Rear Jounce Bumpers
	Inspect Tire Wear Pattern
	Rotate Tires and Adjust Air Pressure (Including Spare)
	Road Test
	Reset Service Reminder Indicator
	Replace
	Engine Oil
	Oil Filter
	Spark Plugs
	Air Filter Element
	Control Module Filter
	Fuel Filter
	Automatic Transmission Fluid
	Drain, Flush and Refill Engine Coolant
	Drain, Refill and Bleed Brake System
	Lubrication Specifications
1	

Application Specification

Antifreeze/Engine Coolant Ethylene Glycol Antifreeze Automatic Transmission Dexron-IIE or Mercon Brake Fluid DOT 4 Brake Fluid Or Equivalent Power Steering Fluid Dexron-IIE or Mercon ATF Engine Oil Ambient Temperature Less Than 68°F (20°C) SAE 5W30 API SG/CD -4°F To 100°F (-20° To 38°C) SAE 10W30 API SG/CD Greater Than 14°F (-10°C) SAE 15W40 API SG/CD Manual Transmission (1) Volvo Synthetic 97308 or Type F/G ATF		
(1) - DO NOT use Dexron fluid in manual transmissions.		
Fluid Capacities		
Application (1) Quantity		
Automatic Transmission		
Non-Turbo (Includes Oil Filter) (2) 5.6 Qts. (5.3L) Turbo (Includes Oil Filter) (2) (3) 6.3 Qts. (6.2L) Manual Transmission 2.5 Qts. (2.1L)		
<ul> <li>(1) - Capacities are recommended or calculated levels. Always use dipstick (if available) to measure level.</li> <li>(2) - DO NOT use SAE 15W/40 oil in extremely low ambient temperatures.</li> <li>(3) - Turbo includes 0.95 Qts. (0.9L) for Oil Cooler.</li> </ul>		
Service Labor Times		
Application (1) Hours		
850 2.5L 5-Cylinder 4.6		
(1) - To replace camshaft timing belt, add 2.0 hrs.		

## **LUBRICATION SPECIFICATIONS**

CAUTION: DO NOT use SAE 15W-40 oil in extremely low ambient temperatures.

## LUBRICATION SPECIFICATIONS TABLE

Application	Fluid Specifications
Coolant 5	0/50 Mix Ethylene Glycol and Distilled Water
Brake Fluid DOT	4 Or DOT 4+ Brake Fluid
Engine Oil	
Ambient Temperature	
Less Than 68°F (20°C)	SAE 5W-30 APT SH/CD
-4°F To 100°F (-20° To 38°C)	SAE 10W-30 API SH/CD
Greater Than 14°F (-10°C)	
Power Steering Fluid (1)	
Automatic Transaxle (AW50-42)	
Manual Transmission (2) Volvo	
` ,	Or Type F/G ATF
Wheel Bearings NLG	I Grade 2 Category GC-LB

Steering Linkage (3)(4) NLGI Grade 2 Category GC-LB Ball Joints (3)(5) NLGI Grade 2 Category GC-LB Weatherstrip Dielectric Silicone Grease
(1) - At temperatures below $-4^{\circ}\text{F}$ (-20 $^{\circ}\text{C}$ ) Volvo oil (P/N1161001-1) can be used.
(2) - DO NOT use Dexron fluid in manual transmissions.
(3) - Use low pressure grease gun to prevent seal damage.
(4) - Fill until lubricant squeezes out from the base of seals.
(5) - Fill ball joint until seal starts to swell.

## **FLUID CAPACITIES**

## FLUID CAPACITIES TABLE

Application Quantity	y (1)
A/C R-134a Refrigerant	
Non-Turbo	
850 (Non-Turbo) 1993-94	5.3L)
Turbo (3)  Without Oil Cooler	6.2L) (73L)
Automatic Transmission (AW50-42) Fluid Change	7.6L)
1993-94 (M56L)	,
<ul> <li>(1) - Capacities are recommended or calculated levels. Alway dipstick (if available) to measure level.</li> <li>(2) - Includes Filter Change</li> <li>(3) - Oil Cooler capacity is .95 Qts. (0.9L).</li> </ul>	s use